

In the Title:

Please amend the title as follows:

--~~INDUCTANCE DEVICE~~COIL DRIVING SYSTEM, INFORMATION
STORAGE APPARATUS, AND ~~INDUCTANCE DEVICE~~COIL DRIVING METHOD
THAT CHANGES A PULSE WIDTH OF A VOLTAGE APPLIED TO AN INDUCTANCE
DEVICE ACCORDING TO A CURRENT INSTRUCTION VALUE--

In the Specification:

Please amend the specification as follows:

Please replace the paragraph beginning on page 1, line 8, with the following rewritten paragraph:

--The present invention relates to ~~an inductance devicea coil~~ driving system, an information storage apparatus, and ~~an inductance devicea coil~~ driving method, and, in particular, the present invention relates to ~~an inductance devicea coil~~ driving system, an information storage apparatus, and ~~an inductance devicea coil~~ driving method for supplying a pulse-shaped electric current according to a current instruction value to ~~an inductance devicea coil~~ especially so as to drive the ~~inductance devicea coil~~ of the information storage apparatus.--

Please replace the paragraph beginning on page 9, line 30, with the following rewritten paragraph:

--The present invention has been made in consideration of the above-mentioned points, and an object of the present invention is to provide ~~an inductance devicea coil~~ current control circuit, an information storage apparatus, and ~~an inductance devicea coil~~ current control method for driving a bias magnetic field application device employing ~~an inductance devicea coil~~ in an information storage apparatus appropriately even for a small electric current instruction value.--

Please replace the paragraph beginning on page 10, line 3, with the following rewritten paragraph:

--An inductance deviceA coil driving circuit according to the present invention which supplies a predetermined electric current to an inductance devicea coil by changing a pulse width of a voltage applied to the inductance devicecoil according to a current instruction value so as to drive the inductance devicecoil. This circuit includes:--

Please replace the paragraph beginning on page 10, line 10, with the following rewritten paragraph:

--a current detection part which detects an electric current which flows through the inductance devicecoil;--

Please replace the paragraph beginning on page 10, line 16, with the following rewritten paragraph:

--a current control part which turns on/off the voltage applied to the inductance devicecoil according to a comparison result of the comparison part; and--

Please replace the paragraph beginning on page 10, line 20, with the following rewritten paragraph:

--an off time control part which controls an off time for which application of the voltage to the inductance devicecoil is interrupted, according to the current instruction value.--

Please replace the paragraph beginning on page 10, line 37, with the following rewritten paragraph:

--According to the present invention, when the bias current instruction value is small, the off time is set so that the off time becomes longer. In contrast thereto, when the bias current instruction value is larger, the off time is set so that the off time becomes shorter. Thereby, the linearity of actual bias electric current actually flowing through the inductance devicecoil with respect to the bias current instruction value can be improved, as a result of positive reduction in the current for a small current value occasion being able to be achieved. Furthermore, problematically ~~much~~ reduction in the electric current ~~due~~ to the off time at a time a large electric current flows can be prevented, and, thereby, the ripple noise can be effectively reduced.--

Please replace the paragraph beginning on page 14, line 6, with the following rewritten paragraph:

--A power supply voltage Vcc is applied to the power supply terminal Tv. Between the positive terminal Tp and negative terminal Tn, the coil (inductance device) 35a of the bias magnetic field application device 35 mentioned above is connected as shown in

FIG. 6. A current detection resistance R_s is connected between the current detection terminal T_s and the ground.--

Please replace the paragraph beginning on page 26, line 21, with the following rewritten paragraph:

--Moreover, although the present embodiment is for a magneto-optical disk device, it is possible to apply the present invention not only to a magneto-optical disk device but also to another kind of device in which an electric current supplied to ~~an inductance device~~a coil or the like can be changed by the PWM form, widely.--